

App #: 10-802130

## EAST SEARCH HISTORY

Databases: US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM\_TDB

Ref#	Hits	Search Text
S1	96	chrominance and (luma or lumi\$6) and ("high-pass filter" or "high pass filter") and color and grey\$6
S2	74	S1 and edge
S12	0	S11 and (high adj pass)
S14	609	color.ti. and (grey\$6.ti. or gray\$6.ti.)
S15	2	S14 and ("high-pass" or "high pass")
S3	25	((("4257070") or ("4308553") or ("4688031") or ("4977398") or ("5153576") or ("5245327") or ("5592310") or ("5701401") or ("5726781") or ("5898819") or ("6101272") or ("6646762"))).PN.
S4	0	("bala,raja").PN.
S5	48	bala, raja
S6	164	eschbach, reiner
S9	0	S2 and (S5 or S6)
S7	95	eschbach, reiner and webster
S8	0	S2 and (S6 or S7)
S32	6	chrominance and (luma or lumi\$6) and ("high-pass filter" or "high pass filter") and gamut and weight
S10	4	S1 and "edge detection"
S24	1	S22 and ("high pass" or "high-pass")
S11	84	color.ti. and grey\$6.ti.
S13	0	S11 and ("high-pass" or "high pass")
S16	268	chrominance and (luma or lumi\$6) and ("high-pass filter" or "high pass filter") and color and (grey\$6 pr gray\$6)
S17	4	S1 and "edge detection"
S18	41	S16 and "edge detection"
S19	39	S18 and conver\$5
S20	239	S16 and conver\$5
S21	175	S20 and edge
S25	71	chrominance and (luma or lumi\$6) and ("high-pass filter" or "high pass filter") and color and (greyscale or grayscale)
S26	2	("6028646").PN.
S23	1	S22 and chrominance
S22	25	(US-6101272-\$ or US-6646762-\$ or US-5898819-\$ or US-5726781-\$ or US-5701401-\$ or US-5592310-\$ or US-5245327-\$ or US-5153576-\$ or US-4308553-\$ or US-4977398-\$ or US-4688031-\$ or US-4257070-\$).did. or (DE-4308553-\$).did. or (EP-1098510-\$ or US-5898819-\$ or JP-10229502-\$ or DE-4308553-\$ or US-5701401-\$ or EP-500327-\$ or EP-473433-\$ or JP-04351169-\$ or US-4977398-\$ or DE-2814891-\$ or DE-3586506-\$ or GB-2070888-\$).did.
S33	290	chrominance and (luma or lumi\$6) and (filter) and gamut
S41	1704	luma and chroma
S42	131	S41 and ("high-pass filter" or "high pass filter")
S27	2	("6961477").PN.
S28	2	("5153576").PN.
S29	2	("5701401").PN.
S30	2	("4977398").PN.

S31	14	chrominance and (luma or lumi\$6) and ("high-pass filter" or "high pass filter") and gamut
S34	284	chrominance and (luminance) and (filter) and gamut
S48	434	((chrominance or chroma or chrom) with ("high-pass" or "high pass")) and luminance and @pd<"20030316"
S43	913	(chrominance or chroma or chrom) same ("high-pass" or "high pass")
S44	812	S43 and luminance
S45	629	S44 and color
S46	557	S45 and @pd<"20030316"
S35	62	chrominance and (luminance) and (filter) and gamut and weight
S36	99	chrominance and (luminance) and (filter) and gamut and weight\$4
S37	2	("4,825,297").PN.
S39	8	S38 and ("high-pass" or "high pass")
S40	2	("5,450,216").PN.
S38	12	(US-4558347-\$ or US-5012333-\$ or US-5363209-\$ or US-5392365-\$ or US-6028646-\$ or US-5153576-\$ or US-5701401-\$ or US-4977398-\$ or US-5450216-\$ or US-6646762-\$ or US-5987169-\$).did. or (US-20030012427-\$).did.
S47	434	(chrominance or chroma or chrom) with ("high-pass" or "high pass") and luminance and @pd<"20030316"
S51	49	S50 and weight\$4
S50	317	S49 and color
S52	3	S50 and grayscale
S49	438	((chrominance or chroma or chrom) with ("high-pass" or "high pass")) and (luma or luminance or lum) and @pd<"20030316"
S53	13	("4337479"   "4593310"   "4930007"   "4974071"   "5012329"   "5124786"   "5150203"   "5430464"   "5483361"   "5488670"   "5552825"   "5751845"   "5848180").PN.
S54	3	S53 and ("high-pass" or "high pass")
S55	2	("5434627").PN.
S56	2	("5926220").PN.
S57	2	("6134373").PN.
S58	5	("4291331"   "4597007"   "4638351"   "4683490"   "5333014").PN.
S59	5	("4051516"   "4212028"   "4288810"   "4322739"   "4399454").PN.
S60	120	(grayscale or greyscale) and (chrominance or chroma or chrom) and (luminance or luma or lum) and ("high-pass" or "high pass")
S61	2	("3591707").PN.
S63	117	(grayscale or greyscale) and (chrominance or chroma or chrom) and (luminance or luma or lum) and ("high-pass" or "high pass") and color and convert\$4
S62	2	("20010014175").PN.
S64	9	(grayscale or greyscale) and (chrominance or chroma or chrom) and (luminance or luma or lum) and ("high-pass" or "high pass") and color and convert\$4 and gamut
S65	0	color.ti. and (greyscale.ti. or grayscale.ti.) and convert\$4.ti.
S66	2	color.ti. and (greyscale.ti. or grayscale.ti.) and conver\$4.ti.
S67	42	((chrominance or chroma or chrom) with ("high-pass" or "high pass")) and (luma or luminance or lum) and @pd<"20030316" and monochrome
S82	181	(345/596).CCLS.
S69	182	S68 and @pd<"20030316"
S77	2	("5097518").PN.
S79	101	color.ti. and (monochrome.ti. or ((gray or grey) adj scale).ti. or grayscale.ti. or greyscale.ti.) and pixel
S78	2	("4688031").PN.
S68	748	(grayscale or greyscale) and (chrominance or chroma or chrom) and (luminance or luma or lum) and color and convert\$4
S71	56	S70 and @pd<"20030316"

S70	197	("grayscale image" or "greyscale image") and (chrominance or chroma or chrom) and (luminance or luma or lum) and color and convert\$4
S80	35	color.ti. and (((gray or grey) adj scale).ti. or grayscale.ti. or greyscale.ti.) and pixel
S81	33	grayscale.ti. and color.ti.
S83	2	("4,851,825").PN.
S84	133	(grayscale or greyscale) and (chrominance or chroma or chrom) and (luminance or luma or lum) and color and edge and neighborhood
S72	8	("4225861"   "4499489"   "4688031"   "4700235"   "4703318"   "4741046"   "4888713"   "4970586").PN.
S73	188	color.ti. and (monochrome.ti. or ((gray or grey) adj scale).ti.)
S74	93	color.ti. and (monochrome.ti. or ((gray or grey) adj scale).ti.) and pixel
S76	31	color.ti. and (monochrome.ti. or ((gray or grey) adj scale).ti. or grayscale.ti. or greyscale.ti.) and pixel and distance
S75	101	color.ti. and (monochrome.ti. or ((gray or grey) adj scale).ti. or grayscale.ti. or greyscale.ti.) and pixel
S100	3	("5729360").PN.
S98	263	S97 and @pd<"20030316"
S97	446	(chrominance) and (luminance) and facsimile and output
S92	51	(chrom\$7) and (lum\$7) and ("electric paper" or "e-paper" or "electronic ink")
S85	18	(US-5987169-\$ or US-6028646-\$ or US-6646762-\$ or US-5701401-\$ or US-5153576-\$ or US-4977398-\$ or US-5363209-\$ or US-5450216-\$ or US-5392365-\$ or US-5012333-\$ or US-4558347-\$ or US-4429327-\$ or US-5434627-\$ or US-5146319-\$ or US-4882626-\$ or US-5333014-\$ or US-4291331-\$).did. or (US-20030012427-\$).did.
S88	0	chrominance and luminance and output and "electronic paper"
S91	38	(chrom\$7) and (lum\$7) and ("electronic paper" or "e-paper" or "electronic ink")
S90	0	chrominance and luminance and ("electronic paper" or "e-paper" or "electronic ink")
S93	18	(chrom\$1 or chrominance) and (lum\$1 or luminance) and (electric\$2 adj (paper or ink))
S87	0	S85 and "electronic paper"
S101	45	(chrominance) and (luminance) and facsimile and "output device" and @pd<"20030316"
S99	6	S98 and facsimile.ti.
S102	8	(chrominance) and (luminance) and (facsimile same "output device") and @pd<"20030316"
S96	568	S95 and output
S95	614	(chrom\$1 or chrominance) and (lum\$1 or luminance) and (facsimile)
S94	2	S85 and facsimile
S89	0	chrominance and luminance and "electronic paper"
S86	8	S85 and printer
S103	18	(US-6028646-\$ or US-5701401-\$ or US-5153576-\$ or US-4291331-\$ or US-5363209-\$ or US-4977398-\$ or US-5392365-\$ or US-6646762-\$ or US-5987169-\$ or US-5450216-\$ or US-4558347-\$ or US-5012333-\$ or US-5146319-\$ or US-4882626-\$ or US-4429327-\$ or US-5434627-\$ or US-5333014-\$).did. or (US-20030012427-\$).did.
S104	0	S103 and ((next or neighbor\$4 or adjacent or proximat\$3) adj2 edge)
S105	7	S103 and edge
S109	14	S108 and luminance and chrominance
S106	748	unsharp masking
S107	351	S106 and edge and pixel and image
S108	158	S107 and @pd<"20030316"
S110	3	(unsharp adj (mask\$3 or filter\$3)) and image and pixel and "low pass filter" and "high pass filter" and grayscale and color
S111	8	("5081692"   "5481628"   "5852475"   "5854859"   "5867606"   "6407747"   "6411305"   "6549678").PN.
S112	3126	edge enhancement
S113	17	S112 and lightening and darkening and (object or region) and pixel and image and color

S114	8	("5012333"   "5450216"   "5579031"   "5608824"   "5883632"   "5903275"   "6198843"   "6421142").PN.
S117	0	S115 and S116
S119	2	S118 and S116
S116	97	chrominance and (luma or lumi\$6) and ("high-pass filter" or "high pass filter") and color and grey\$6
S115	166	(362/162).CCLS.
S118	1391	(382/162).CCLS.
S120	48	(luminance or luma or Y) and (chrominance or chroma or CbCr) and (epaper or "e-paper" or "electronic paper" or "electric paper")
S121	25	(US-4257070-\$ or US-4308553-\$ or US-4688031-\$ or US-4977398-\$ or US-5153576-\$ or US-5245327-\$ or US-5726781-\$ or US-5898819-\$ or US-6101272-\$ or US-6646762-\$ or US-5592310-\$ or US-5701401-\$).did. or (DE-4308553-\$).did. or (DE-2814891-\$ or GB-2070888-\$ or DE-3586506-\$ or US-4977398-\$ or EP-473433-\$ or EP-500327-\$ or JP-04351169-\$ or DE-4308553-\$ or US-5701401-\$ or JP-10229502-\$ or US-5898819-\$ or EP-1098510-\$).did.
S123	1	S122 and "high pass"
S122	2	S121 and (luminance or luma) and (chrominance or chroma)
S125	24388	xerox.ASNM. or "chase bank".asnm.
S124	166	(baja adj raja) or (eschbach adj reiner)
S131	2	S126 and chrominance.clm. and luminance.clm. and "pass filter".clm.
S129	0	S126 and chrominance.clm. and luminance.clm. and "notch filter".clm.
S130	0	S126 and chrominance.clm. and luminance.clm. and "band pass filter".clm.
S126	24452	S124 or S125
S128	1	S127 and "high pass filter".clm.
S127	9	S126 and chrominance.clm. and luminance.clm. and filter.clm.

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## **GOOGLE SCHOLAR SEARCH**

luminance chrominance "high pass filter"  
luminance chrominance "high pass filter" color grayscale  
luminance chrominance convert "high pass filter" color grayscale  
luminance chrominance "high pass filter" grayscale  
luminance chrominance